

DOC.
W 1.35:
B-628

BOOKSTACKS.
DOCUMENTS

Ref
TM8-628
WAR DEPARTMENT TECHNICAL MANUAL

THE LIBRARY OF THE

AUG 23 1945

UNIVERSITY OF ILLINOIS

**INSTRUMENT
STERILIZER
ITEM 7917005**

LIBRARY U. OF I. URBANA-CHAMPAIGN

WAR DEPARTMENT • NOVEMBER 1944

Digitized by Google



3 0112 104503385

**Government Document
Book Stacks**

INSTRUMENT
STERILIZER
ITEM 7917005

LIBRARY U. OF I. URBANA-CHAMPAIGN



WAR DEPARTMENT

•

NOVEMBER 1944

United States Government Printing Office, Washington : 1944

For sale by the Superintendent of Documents, Washington, D. C.

WAR DEPARTMENT,
WASHINGTON 25, D. C., 4 November 1944.

TM 8-628, Instrument Sterilizer, Item 7917005, is published for the information and guidance of all concerned.

[A.G. 300.7 (28 Sep 44).]

BY ORDER OF THE SECRETARY OF WAR:

G. C. MARSHALL,
Chief of Staff.

OFFICIAL:

J. A. ULIO,
*Major General,
The Adjutant General.*

DISTRIBUTION:

Armies (2); Corps (2); Depts (10); SvC (5); ID 8 (4); IB 8 (1);
IR 8 (3) (2) (1); IC 8 (2); Base C (5); Numbered Air Forces (5);
Med Deps, Continental (25) except St Louis Med Dep (50), T of Opn
(10); PE (2).

ID 8: T/O & E 8-550.

IB 8: T/O & E 8-611; 8-610.

IR 8 (3): T/O & E 8-581; 8-580, Evac Hosps.

IR 8 (2): T/O & E 8-560; 8-510; 8-590.

IR 8 (1): T/O & E 8-580, Conval Hosps.

IC 8: T/O & E 8-187; 8-572S; 8-667.

For explanation of symbols, see FM 21-6.

CONTENTS

	<i>Paragraph</i>	<i>Page</i>
CHAPTER 1. INTRODUCTION		
Scope	1	1
Description	2	1
Data	3	1
CHAPTER 2. OPERATING INSTRUCTIONS		
General	4	5
Service upon receipt of equipment.....	5	5
Controls	6	5
Operation	7	6
CHAPTER 3. MAINTENANCE		
General	8	8
Operator's preventive maintenance.....	9	8
Trouble shooting	10	8
Maintenance operations	11	11
APPENDIX I. SHIPMENT AND STORAGE 15		
II. LIST OF ALL SERVICE PARTS.....		15
III. LIST OF ALL SERVICE PARTS.....		16
IV. WAR MODEL 214C.....		17
V. PRE-WAR MODEL 214C.....		18
VI. MODEL NO. WPB-13.....		19
VII. MODEL NO. C-413.....		20

Original from ^{III}

UNIVERSITY OF ILLINOIS AT
URBANA-CHAMPAIGN

CHAPTER 1

INTRODUCTION

1. SCOPE. These instructions are published for the information and guidance of all personnel charged with the operation and maintenance of Sterilizer, small, 110-volt, a-c-d-c, Medical Department Item No. 7917005, in the field. They contain information on the operation and maintenance of the equipment with illustrations showing the various parts referred to in the instructions. This Technical Manual is arranged in four parts: Chapter 1—Introduction; Chapter 2—Operating Instructions; Chapter 3—Maintenance and the Appendix which lists all service parts by manufacturers. Inasmuch as practically all small officer sterilizers of the nonpressure type are similar in design, construction and operation, these instructions are written to apply generally to all such sterilizers.

2. DESCRIPTION. The Sterilizer, instrument, small, 110-volt, a-c-d-c is a small, compact unit designed for sterilization of small surgical instruments. Boiling water is the sterilizing medium. The units employ electrically operated heater elements to heat water contained in a boiler. Caution must be used when ordering replacement parts for these units since they vary in serial number, as well as model number in some cases. The serial numbers and model numbers are usually found on the nameplates attached to the unit. Be certain when ordering spare parts that the part ordered is specifically for the model or serial number as shown in the list of all service parts in the Appendix. If the part is not listed as a spare part, it must be requisitioned for special purchase.

3. DATA. a. Performance. The sterilizer is designed to operate on 110-120-volts, 60-cycle a-c, or d-c.

b. Manufacturers. American Sterilizer Co., New York, N. Y.
The Prometheus Electric Corporation, New York, N. Y.
The Pelton & Crane Company, Detroit, Mich.
Wilmot Castle Company, Rochester, N. Y.



Figure 1. Sterilizer, instrument, small, 110-volt, a-c-d-c, item No. 7917005, manufactured by the Prometheus Electric Corporation.

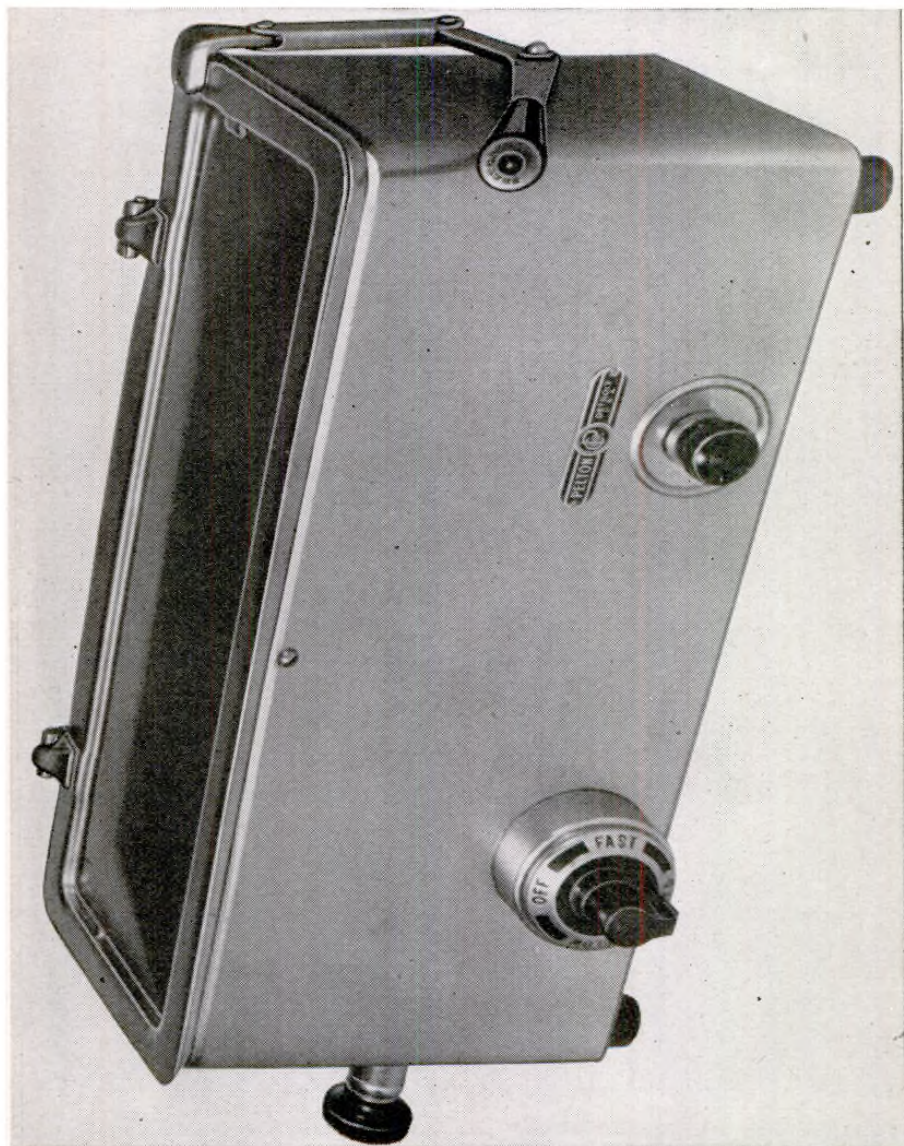


Figure 2. Sterilizer, instrument, small, 110-volt, a-c-d-c, item No. 7917005, manufactured by the Pelton & Crane Company.

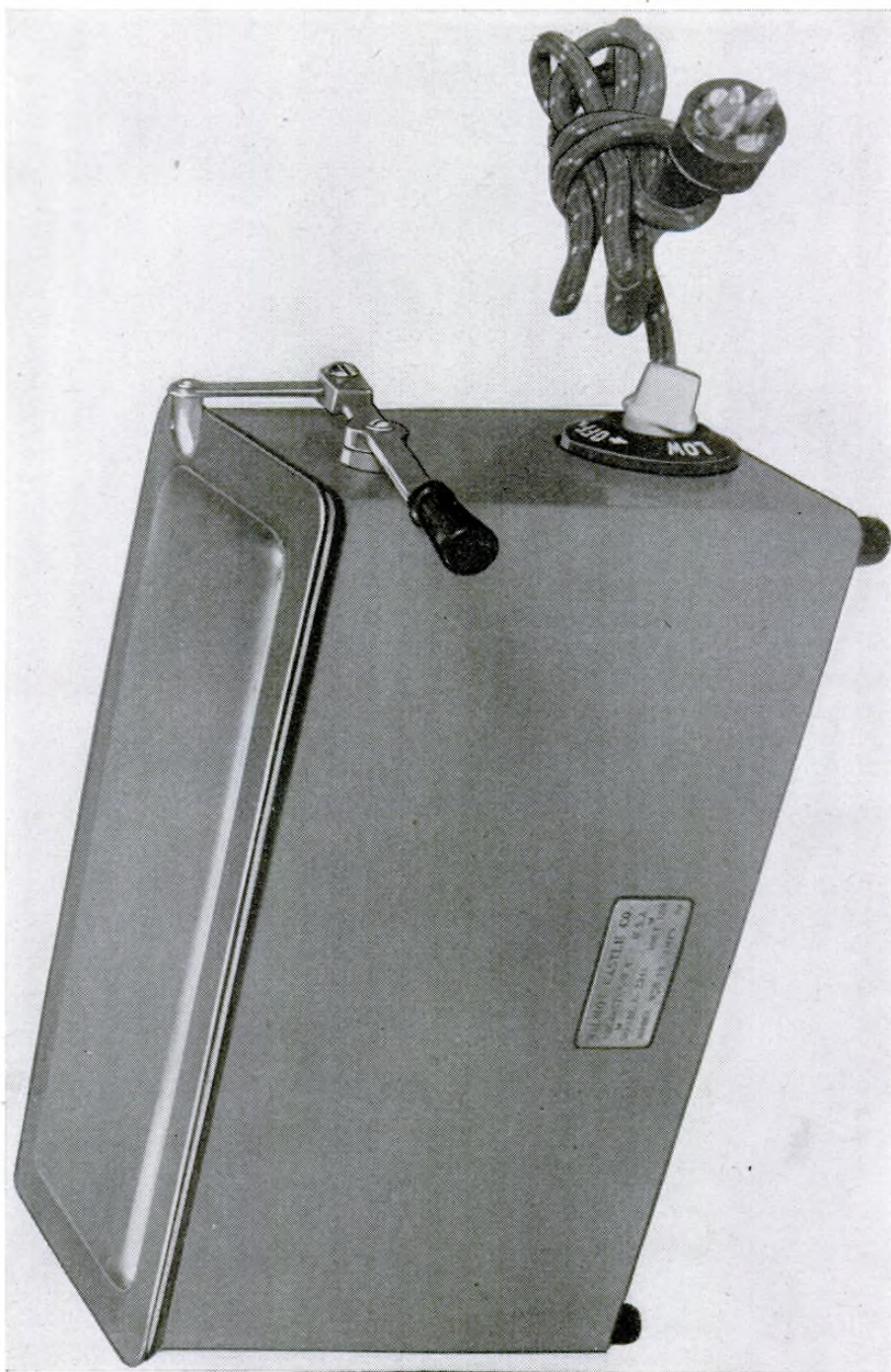


Figure 3. Sterilizer, instrument, small, 110-volt, a-c-d-c, item No. 7917005, model No. WPB-13, manufactured by Wilmot Castle Company.

CHAPTER 2

OPERATING INSTRUCTIONS

4. GENERAL. The hours of operation of the sterilizer are dependent upon the requirements of the Medical Officer. It is general practice to operate the sterilizer the entire time the Medical Officer is on duty and using instruments, since the various instruments used should be sterilized immediately after use. However, since the operation of the sterilizer is simple, it may be put into use at any time.

5. SERVICE UPON RECEIPT OF EQUIPMENT. **a. Unpacking.** To unpack the sterilizer, open the shipping box carefully. Remove packing materials, and lift the apparatus from the shipping box.

b. Assembling. The item is shipped completely assembled and ready for use after inserting the line cord plug into a power receptacle. In some cases the lever handle must be screwed onto the lifting lever.

6 CONTROLS. **a. Switch.** Many models and makes have a 3-pole switch which enables the operator to select the required or desired amount of heat. The switch settings are "Off," "Low," "Medium" and "High." When the switch is turned to "Off," the unit receives no current. The "High," "Medium" and "Low" settings are self-explanatory as pertaining to the amount of heat obtained from the heating elements. Some models use a mercury switch rather than 3-pole switch. The same principle as used in the 3-pole switch is used, however. One setting uses two mercury switches and two heaters, a second setting one switch and one heater, and a third setting is the "Off" position.

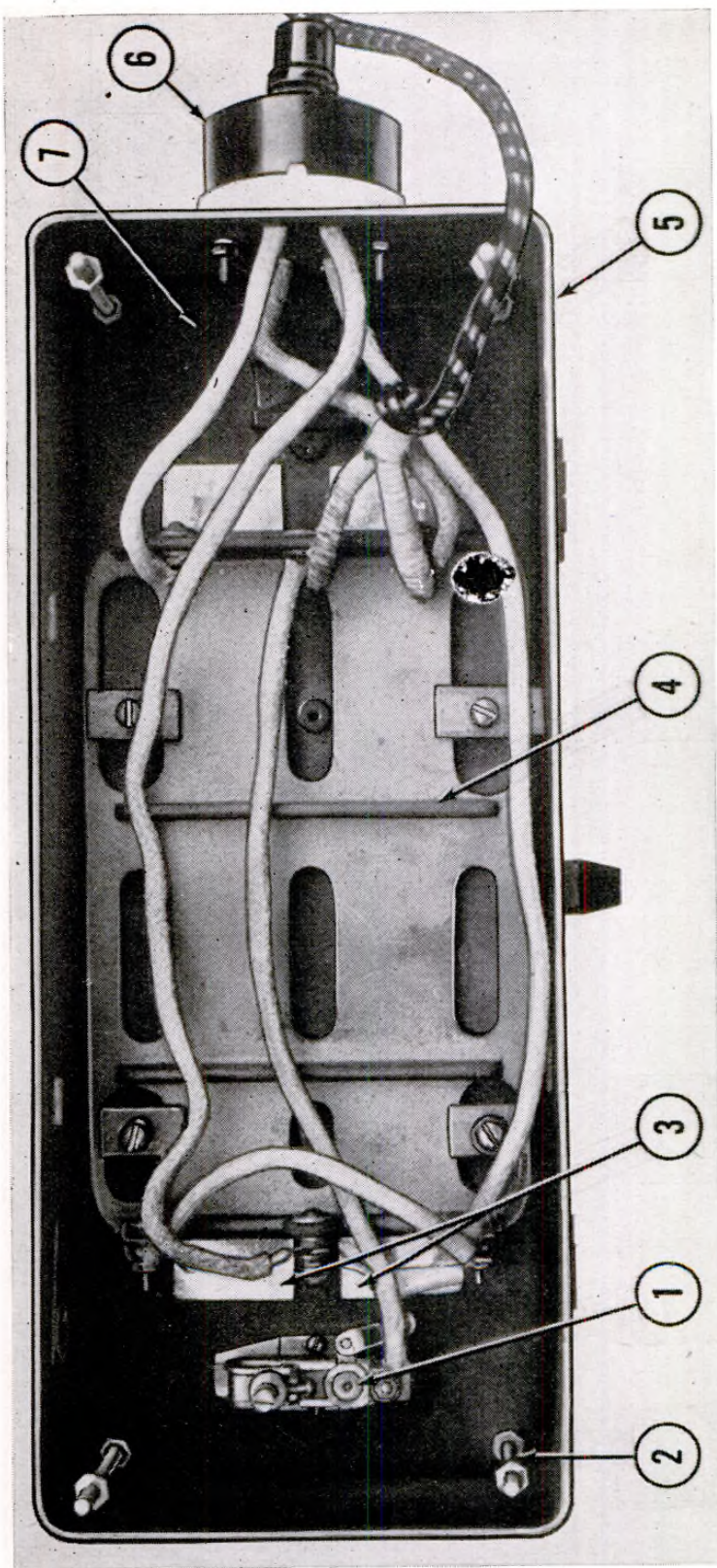
b. Low water cut-off. The low water cut-off is a protective device. Some sterilizers use a mechanical low water cut-off, some use a bimetallic thermostat. The general purpose is the same.

(1) *Mechanical low water cut-off.* Generally incorporates a nonexpanding rod anchored to the boiler. When water in the sterilizer has reached a very low depth or boiled away, the boiler is heated to a higher temperature than when it contains water. The boiler expands causing the nonexpanding rod to trip a switch which breaks the electric circuit. This stops the heating of the boiler and indicates the low water condition to the operator who fills the boiler with water, manually resets the low water cut-off, and the sterilizer is again ready for use. By breaking the electric circuit the current is cut off, the boiler is not over-heated, and damage to the unit is prevented.

(2) *Thermostatic low water cut-off.* Operates in a similar manner. Excessive heat from the boiler causes the diaphragm disk on the bimetallic thermostat to snap open and thus break the electrical circuit. The unit then cools off.

However, upon cooling off, the bimetallic disk snaps shut, completes the electrical circuit, and heat is again applied to the boiler. Therefore, it is necessary to fill the boiler with water or turn the machine off until the boiler is filled, otherwise the current will alternately be on and off until this is done. Should the operator fail to note that the thermostat is opening and closing the circuit, no damage will be done to the sterilizer; however, the unit should be turned off or the boiler filled if continued in use.

7. OPERATION. The sterilizer boiler should be clean. If necessary, scrub boiler interior, needle and instrument trays with a stiff brush and soap and rinse well before using. Fill the boiler with fresh water. Insert plug into power receptacle. Turn switch to "High." Bring water to a boil. Place instruments and needles in the trays and carefully lower trays into water. Be sure entire load to be sterilized is completely submerged; never allow any part to be exposed above water. During sterilizing period it is not necessary that the water boil vigorously. However, the water must be kept at a rolling boil. When water reaches the vigorous boiling point with the switch on "High," turn the switch to "Low" or "Medium," whichever setting will keep water at a boil. At end of prescribed boiling period, remove instruments immediately. (Never add fresh water to sterilizer during sterilizing period as this will reduce the water to below sterilizing temperature.) Turn switch to "Off." If sterilizing is to be repeated, add fresh water, if needed, bring to boil and repeat above operation,



1. 7R00616 Thermostat, Positrol.
2. 7R00624 Spacer, Iron.
3. 7R00620 Element, Heating, Complete.
4. 7R00622 Grill.

5. 7R00604 Jacket, Outer, Steel Enameled.
6. SR00694 Switch, 3 Heat, Arrow 9622 or Bryant 6269.
7. 7R00606 Boiler, Cast Iron.

Figure 4. Sterilizer, instrument, small 110-volt, a-c-d-c, item No. 7917005, manufactured by the Prometheus Electric Corporation, with false bottom removed.

CHAPTER 3

MAINTENANCE

8. GENERAL. Preventive maintenance includes the systematic attention to water level and general cleanliness, the inspection of electrical leads and controls to determine that they are in good condition and the prevention of abuse to the equipment.

9. OPERATOR'S PREVENTIVE MAINTENANCE. a. Before Operating.

- (1) Be certain that boiler is clean, clean if necessary.
- (2) Determine that water is at desired level.
- (3) Examine drain cocks and boiler for leaks.
- (4) Inspect electrical wiring for good condition and avoid excessive twisting of the cord. Do not allow sterilizer legs or any other heavy sharp cornered objects to rest on the cord.
- (5) Make certain the plug prongs fit tightly into the power receptacle.

b. During Operation. (1) Inspect for changes in water level.

- (2) Watch for abnormal variations in temperature.

c. After Operation. (1) Keep the unit clean and free of dust.

- (2) Make sure all switches are "Off."

(3) Inspect boiler for accumulation of scale or lime deposits. Clean if necessary.

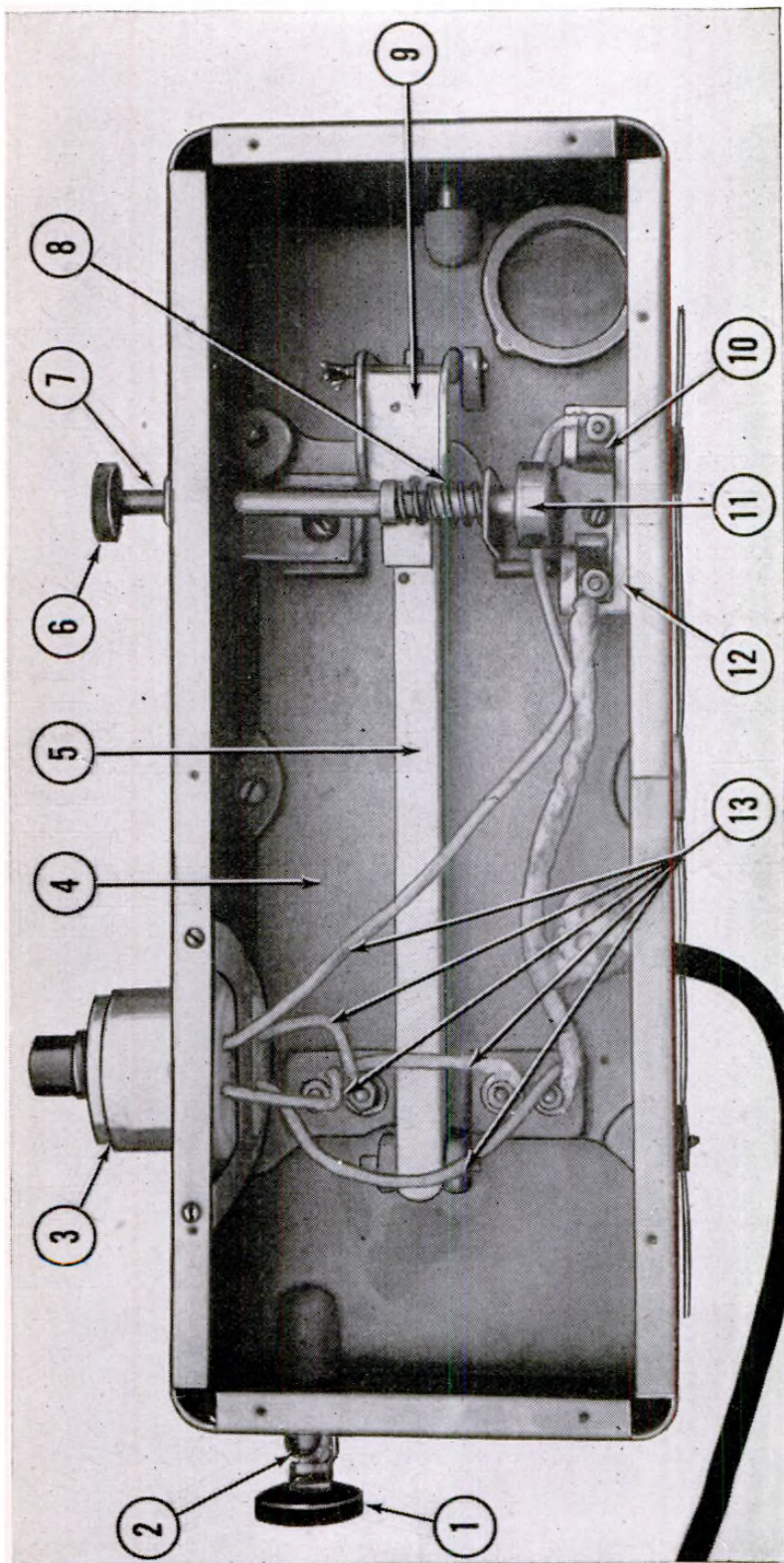
- (4) Rinse and wipe boiler dry at end of each day.

10. TROUBLE SHOOTING. a. If unit fails to heat when switch is turned on.

<i>Possible causes</i>	<i>Possible remedies</i>
Cord plug not plugged in.	Be certain cord plug is inserted properly into power source receptacle.
Low water cut-off not reset.	Manually reset the low water cut-off.
Loose wiring connections.	Connect wires to proper terminals or plug.
Broken cord.	Repair cord. Refer to higher echelon for replacement or repair.
Burned out element.	Replace element. Refer to higher echelon for repair or replacement.

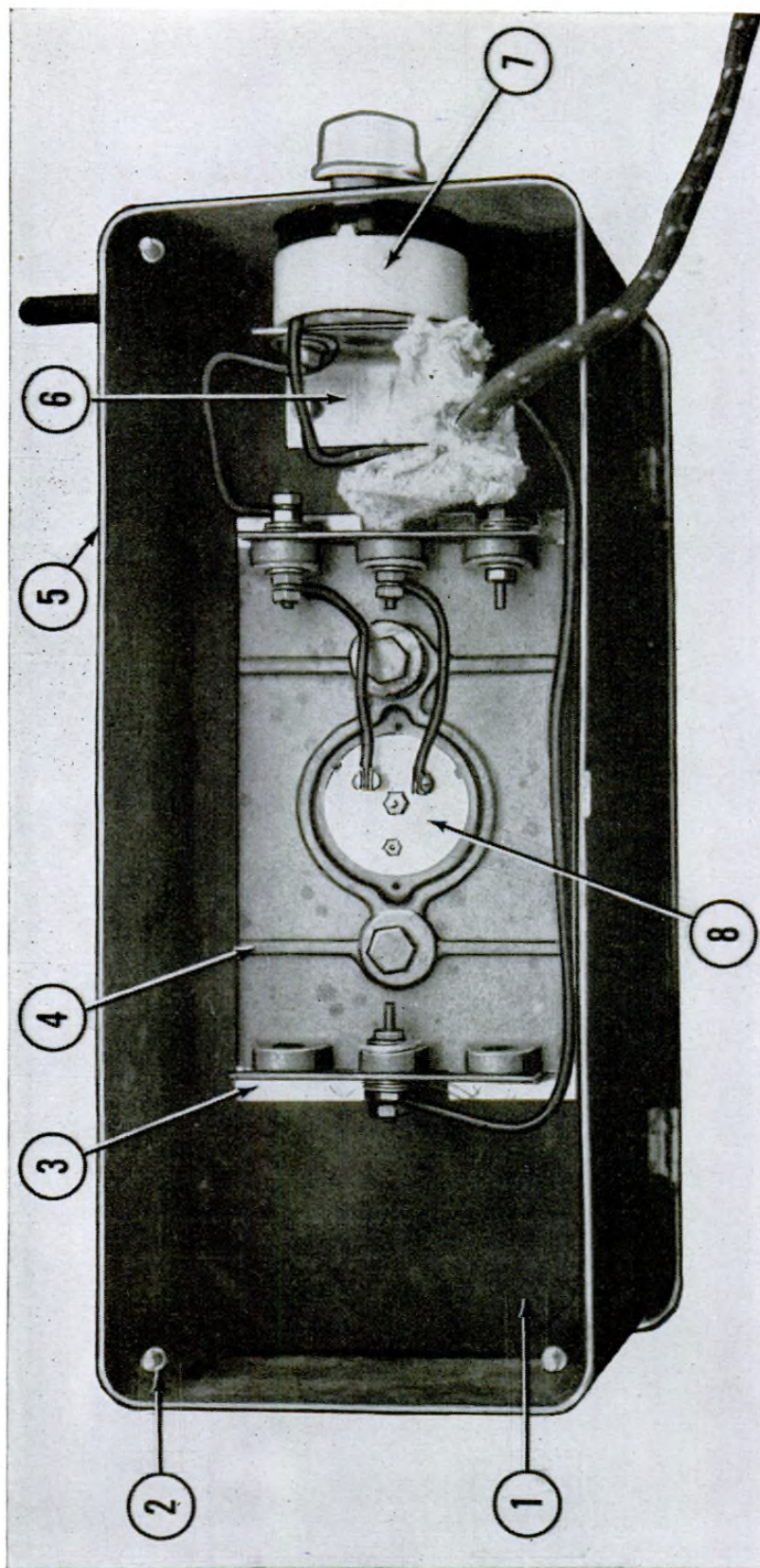
b. If low water cut-off "kicks out" during use.

<i>Possible cause</i>	<i>Possible remedy</i>
Water is low or no water.	Add water.



1. 7R00052 Knob, Valve Plug.
2. 7R00056 Body, Drain-Off Valve.
3. SR00694 Switch, 3 Heat, Arrow 9622 or Bryant 6269.
4. 7R00046 Element, Heating, for Model 214C, Complete.
5. 7R00002 Rod, Porcelain.
6. 7R00008 Knob, Plunger, Low Water Cut-Off.
7. 7R00010 Plunger, Low Water Cut-Off.
8. 7R00048 Spring, Rod, Low Water Cut-Off.
9. 7R00004 Trip, Cut-Off.
10. 7R00012 Blade, Contact, Low Water Cut-Off.
11. 7R00014 Drum, Contact, Low Water Cut-Off.
12. 7R00016 Block, Contact, Porcelain, Low Water Cut-Off.
13. 7R00050 Wire, Heater, Asbestos Covered.

Figure 5. Sterilizer, instrument, small 110-volt, a-c-d-c, item No. 7917005, manufactured by the Pelton and Crane Company, with false bottom removed.



1. 7R00410 Boiler Cast.
 2. 7R00418 Spacer, Brass.
 3. 7R00430 Element, Heating, for Model WPB-13, Complete.
 4. 7R00432 Grill.
 5. 7R00412 Jacket.
 6. 7R00422 Brace, Angle.
 7. SR00694 Switch, 3 Heat, Arrow 9622 or Bryant 6269.
 8. 7R00420 Thermostat.

Figure 6. Sterilizer, instrument, small, 110-volt, a-c-d-c, item No. 7917005, model No. WPB-13, manufactured by Wilmot Castle Company, with false bottom removed.

11. MAINTENANCE OPERATIONS. **a. Low water cut-off.** If the unit has a low water cut-off which requires manual resetting, make certain the cut-off has been reset before operating. If the low water cut-off, "kicks out" during use, it is an indication that the water is low and more should be added. If the unit has a thermostat this will not be experienced, but the unit will go on and off alternately and if this occurs water must be added.

b. Wiring. Unscrew the eight screws (or four legs) from the false bottom and remove it. Examine the wiring to see that the wires are all connected to the post studs. If it appears that a wire is loose, connect it to the proper terminal using the proper wiring diagram as a guide. If trained repair personnel are available, call in a trained man to make the repair. Often wires of the cord come loose from the plug. A visual inspection will show this. Unscrew screw from plug. Replace wire by wrapping it around screw in the direction in which the screw will be turned. Leave no loose ends. Replace screw. Insert plug into receptacle and observe if trouble has been corrected.

c. Broken cord and burned out element. When it is apparent that either or both of these conditions exist, the repair should be accomplished by a higher echelon.

d. Removal of scale or lime deposits. From time to time as warranted by a visual inspection, scrub the inside of the boiler and the trays with a stiff brush and soap.

e. Should scale form in the boiler through inattention, prepare a 10 percent hydrochloric acid solution in sufficient quantity to fill the boiler to the top of the scale. Boil the solution for 15 minutes. This will loosen scale so it can be scrubbed out with a stiff brush. Then drain solution, rinse boiler thoroughly and wipe dry. Be sure to wipe off under side of cover thoroughly, and do not spill solution on exterior of sterilizer or on cabinet top. If trays are also coated with scale, leave in sterilizer while boiling solution and rinse and dry same as boiler.

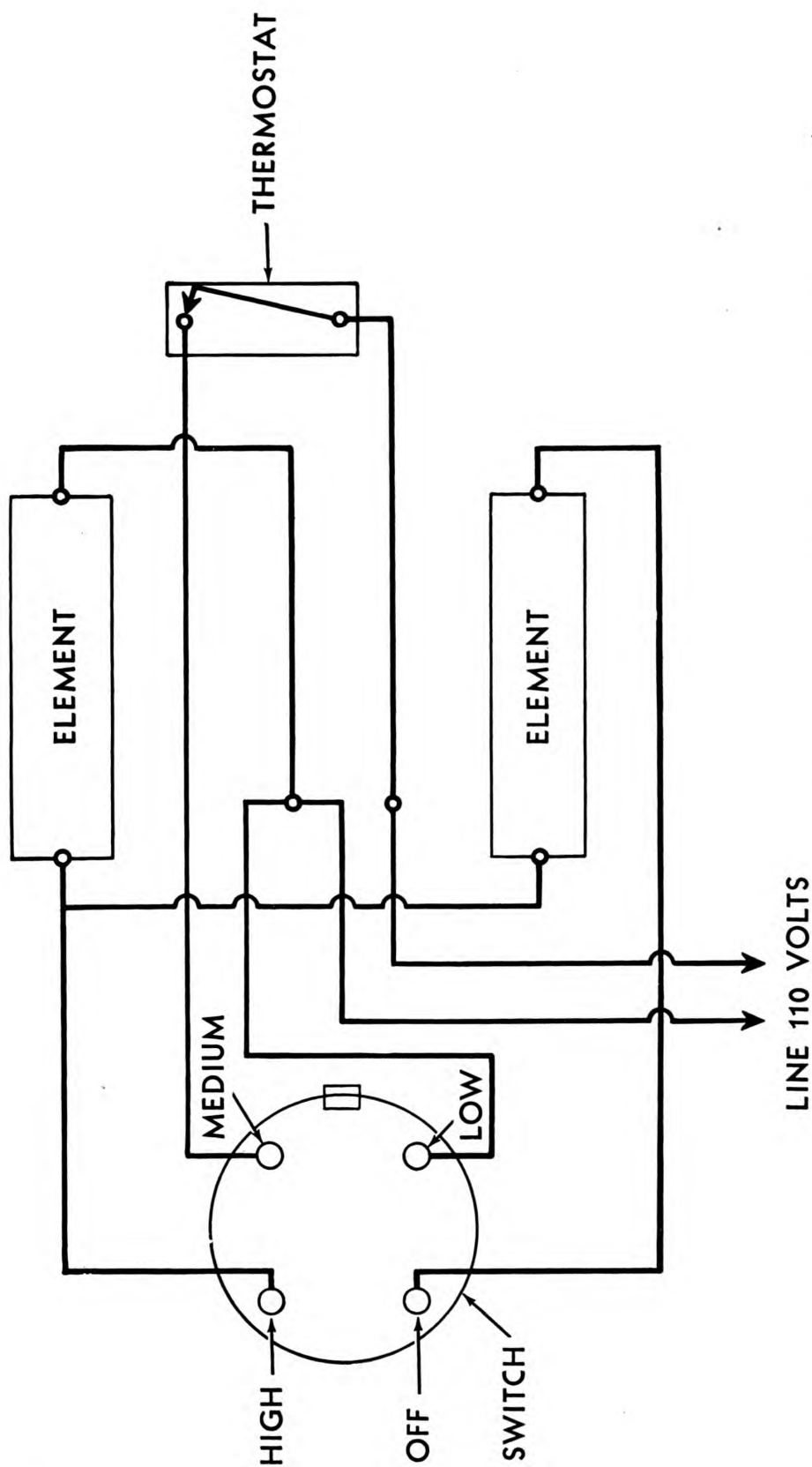


Figure 7. Wiring diagram for sterilizer, instrument, small, 110-volt, manufactured by the Prometheus Electric Corporation.

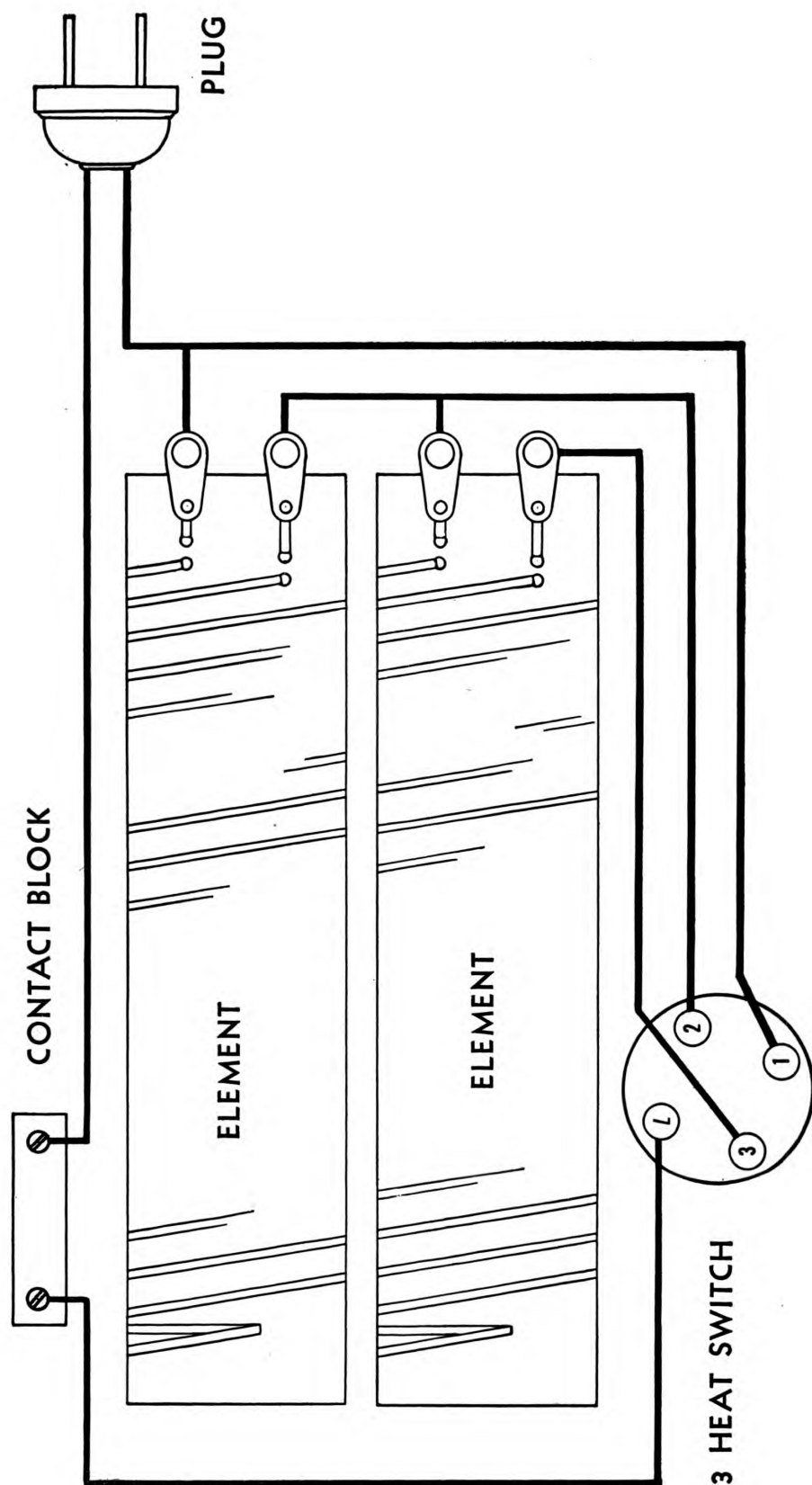


Figure 8. Wiring diagram for sterilizer, instrument, small 110-volt, manufactured by Pelton and Crane Company.

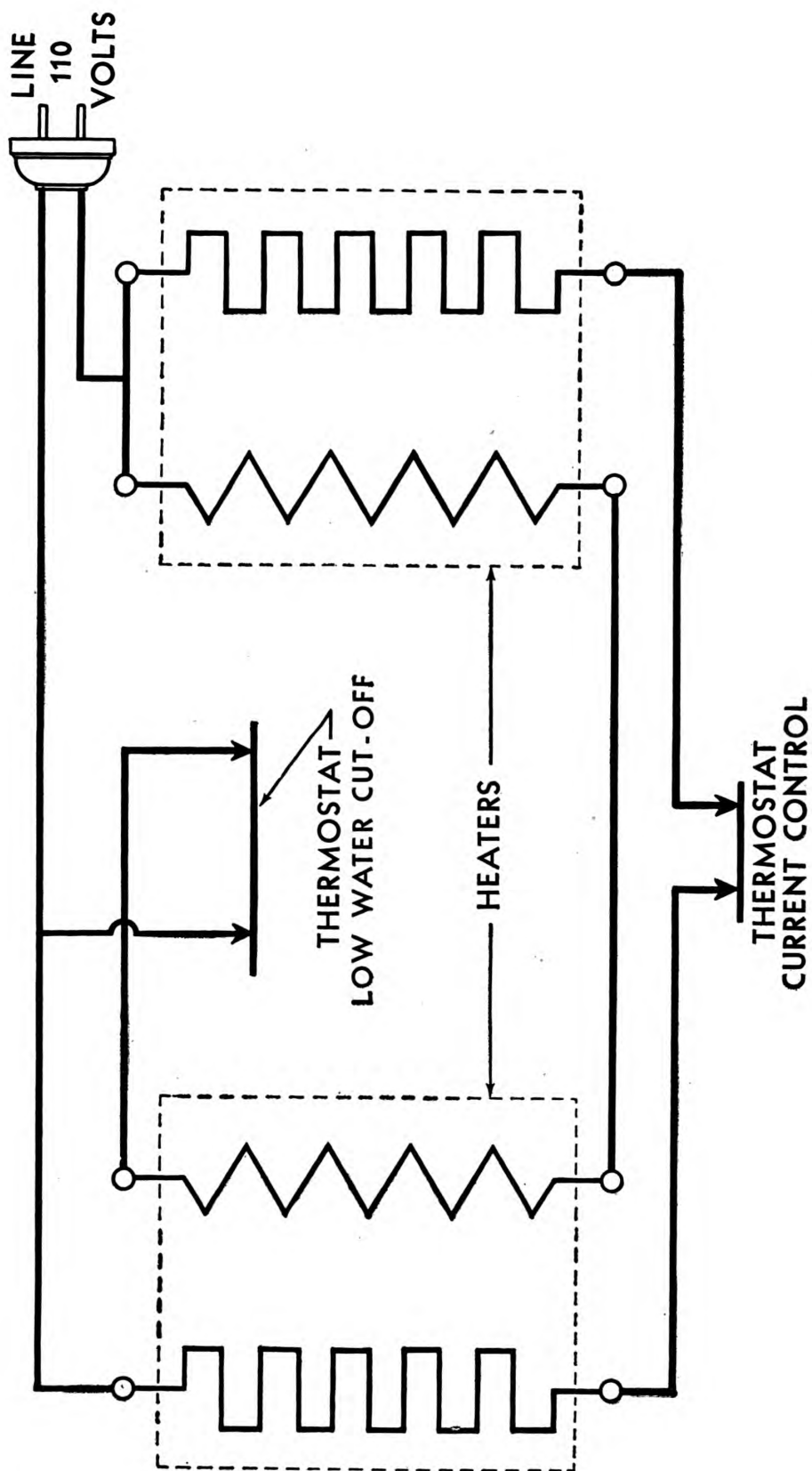


Figure 9. Wiring diagram for sterilizer, instrument, small 110-volt, manufactured by Wilmot Castle Company.

APPENDIX I

SHIPMENT AND STORAGE

1. DISASSEMBLING. Remove line cord from power source. Drain water. Dry the unit and it is ready to be packed.

2. PACKING. Use packing materials such as paper or excelsior and make certain the unit is packed firmly in the case to prevent shifting in transit.

APPENDIX II

LIST OF ALL SERVICE PARTS

7917005 Sterilizer, Instrument, Small, 110-volt,
a-c-d-c: 13 by 5 by 3¼ inches.
Prometheus Electric Corp.

Fig. No.	Medical Dept. No.	Nomenclature	Unit	Quantity
<i>Common Parts</i>				
	SR00042	Washer, screw size 6, 1 lb. pkg., 1,300 washers.....	pkg.	
	SR00043	Nut, 6 x 32, hex, 144 to pkg.....	pkg.	
	SR00104	Screw, 6-32 x 3/16 inch, R. H. M., 144 to pkg.....	pkg.	
	SR00109	Screw, 6-32 x 1 inch, R. H. M., 144 to pkg.....	pkg.	
	SR00142	Screw, 10-32 x 3/4 inch, R. H. M., 144 to pkg.....	pkg.	
	SR00143	Screw, 10-32 x 1 inch, R. H. M., 144 to pkg.....	pkg.	
	SR00297	Washer, screw size 10, 1 lb. pkg., 1,000 washers.....	pkg.	
	SR00312	Cord, no. 16, two-conductor, moisture resistant, asbestos packed.....	ft.	10
	SR00330	Nut, 10 x 32, hex, 144 to pkg.....	pkg.	
	SR00424	Plug, male, two-prong, rubber covered.....	ea.	1
*4	SR00694	Switch, 3 heat Arrow no. 9622 or Bryant no. 6269.....	ea.	1
<i>Uncommon Parts</i>				
	7R00602	Cover, vitreous porcelain enamel.....	ea.	1
4	7R00604	Jacket, outer, steel enameled.....	ea.	1
4	7R00606	Boiler, cast iron.....	ea.	1
	7R00608	Bottom, false.....	ea.	1
	7R00610	Tray, instrument.....	ea.	1
	7R00612	Tray, needle, brass.....	ea.	1
	7R00614	Hook, tray.....	ea.	2
*4	7R00616	Thermostat, positrol.....	ea.	1
	7R00618	Leg, plastic.....	ea.	4
4	7R00620	Element, heating, complete, assembly.....	ea.	1
4	7R00622	Grill. For securing element.....	ea.	1
4	7R00624	Spacer, iron.....	ea.	4
	7R00626	Nut, bushing lock.....	ea.	1
	7R00628	Bushing, porcelain 3/8 inch.....	ea.	1
	7R00630	Wire, heater, asbestos covered. For internal wiring.....	set	1

* To be requisitioned, when required, from the supply depot.

No asterisk indicates that the item is not stocked as a Spare Part, but can be obtained by special requisition.

APPENDIX III

LIST OF ALL SERVICE PARTS

American Sterilizer Co.

Fig. No.	Medical Dept. No.	Nomenclature	Unit	Quantity
<i>Common Parts</i>				
	SR00017	Nut, 8 x 32, hex, 144 to pkg.	pkg.	
	SR00114	Screw, 8-32 x 3/4 inch, R. H. M., 144 to pkg.	pkg.	
	SR00152	Washer, lock, screw size 8, 1,000 to pkg.	pkg.	
	SR00312	Cord, no. 16, two-conductor, moisture resistant, asbestos packed.	ft.	10
	SR00424	Plug, male, two-prong, rubber covered.	ea.	1
*	SR00629	Screw, 1/4-20 x 1-inch, fill. H. M., 144 to pkg.	pkg.	
	SR00694	Switch, 3 heat Arrow no. 9622 or Bryant no. 6269.	ea.	1
<i>Uncommon Parts</i>				
	7R00202	Jacket, outer, sheet metal, galvanized.	ea.	1
	7R00204	Cover, complete. Assembly.	ea.	1
	7R00206	Hinge, 1 1/2 x 2 1/4 inch with 1/8-inch pin.	ea.	2
*	7R00208	Handle, bakelite.	ea.	1
	7R00210	Tray, instrument.	ea.	1
	7R00212	Tray, needle.	ea.	1
	7R00214	Nut, heater head.	ea.	1
	7R00216	Gasket, heater head.	ea.	1
	7R00218	Heater, type D, 1600 watt, 115 volt, chromalox, complete. Assembly.	ea.	1

* To be requisitioned, when required, from the supply depot.

No asterisk indicates that the item is not stocked as a Spare Part, but can be obtained by special requisition.

APPENDIX IV

War Model 214C Pelton and Crane Co.

Fig. No.	Medical Dept. No.	Nomenclature	Unit	Quantity
<i>Common Parts</i>				
	SR00040	Screw, 6-32 x 1/4 inch, R. H. M., 144 to pkg.....	pkg.	
	SR00140	Screw, 10-32 x 1/4 inch, R. H. M., 144 to pkg.....	pkg.	
	SR00265	Screw, 8-32 x 5/8 inch, R. H. M., 144 to pkg.....	pkg.	
	SR00312	Cord, No. 16, two conductor, moisture resistant, asbestos packed.....	ft.	10
	SR00330	Nut, 10-32, hex, 144 to pkg.....	pkg.	
	SR00424	Plug, male, two prong, rubber covered.....	ea.	1
	SR00479	Screw, 1/4-20 x 3/8 inch, R. H. M., 144 to pkg.....	pkg.	
	SR00693	Screw, 4-36 x 1/2 inch, R. H. M., 144 to pkg.....	pkg.	
	SR00694	Switch, 3 heat Arrow No. 9622 or Bryant No. 6269.....	ea.	1
	SR00695	Screw, 12-24 x 3/8 inch, R. H. M., 144 to pkg.....	pkg.	
	SR00881	Wire, No. 14, copper, solid, asbestos insulated, white, moisture and heat resistant.....	ft.	4
<i>Uncommon Parts</i>				
	7R00002	Rod, porcelain.....	ea.	1
	7R00004	Trip, cut-off.....	ea.	1
	7R00006	Coupling, adjustable. For trip.....	ea.	1
	7R00008	Knob, plunger, low water cut-off.....	ea.	1
	7R00010	Plunger, low water cut-off.....	ea.	1
*	7R00012	Blade, contact, low water cut-off.....	ea.	2
*	7R00014	Drum, contact, low water cut-off.....	ea.	1
	7R00016	Block, contact, porcelain, low water cut-off.....	ea.	1
	7R00018	Cover, enamel.....	ea.	1
	7R00020	Jacket, outer, galvanized, H. D. iron.....	ea.	1
	7R00022	Boiler, cast iron, enameled.....	ea.	1
	7R00024	Hinge, cover.....	ea.	2
	7R00026	Nut, bushing. For lever.....	ea.	1
	7R00028	Handle, lever.....	ea.	1
	7R00030	Lever, elbow cover lift.....	ea.	1
	7R00032	Coupling, lever. For cover lift.....	ea.	1
	7R00034	Leg, plastic.....	ea.	4
	7R00036	Elbow, cover lift.....	ea.	1
	7R00038	Tray, instrument.....	ea.	1
	7R00040	Tray, needle.....	ea.	1
	7R00042	Hook, tray.....	ea.	2
	7R00044	Bottom, false.....	ea.	1
*	7R00046	Element, heating for model 214C complete assembly, two elements with insulating sheets and rivets.....	ea.	1
	7R00048	Spring, rod, low water cut-off.....	ea.	1
	7R00050	Wire, heater, asbestos covered. For internal wiring.....	set	1

* To be requisitioned, when required, from the supply depot.
No asterisk indicates that the item is not stocked as a Spare Part, but can be obtained by special requisition.

APPENDIX V

Pre-War Model 214C

Pelton and Crane Co.

Fig. No.	Medical Dept. No.	Nomenclature	Unit	Quantity
<i>Common Parts</i>				
	SR00003	Screw, 8-32 x 1/2 inch, R. H. M., 144 to pkg.....	pkg.	
	SR00040	Screw, 6-32 x 1/4 inch, R. H. M., 144 to pkg.....	pkg.	
	SR00140	Screw, 10-32 x 1/4 inch, R. H. M., 144 to pkg.....	pkg.	
	SR00265	Screw, 8-32 x 5/8 inch, R. H. M., 144 to pkg.....	pkg.	
	SR00312	Cord, No. 16, two-conductor, moisture resistant, asbestos packed.....	ft.	1
	SR00330	Nut, 10 x 32, hex, 144 to pkg.....	pkg.	
	SR00424	Plug, male, two-prong, rubber covered.....	ea.	1
	SR00479	Screw, 1/4-20 x 3/8 inch, R. H. M., 144 to pkg.....	pkg.	
	SR00593	Set screw, 8-32 x 1/4 inch, headless, cup pt., 100 to pkg.....	pkg.	
	SR00693	Screw, 4-36 x 1/2 inch, R. H. M., 144 to pkg.....	pkg.	
*5	SR00694	Switch, 3 heat Arrow No. 9622 or Bryant No. 6269.....	ea.	1
*	SR00695	Screw, 12-24 x 3/8 inch, R. H. M., 144 to pkg.....	pkg.	
	SR00881	Wire, No. 14, copper, solid, asbestos insulated, white, moisture and heat resistant.....	ft.	4
<i>Uncommon Parts</i>				
5	7R00002	Rod, porcelain.....	ea.	1
5	7R00004	Trip, cut-off.....	ea.	1
	7R00006	Coupling, adjustable. For trip.....	ea.	1
5	7R00008	Knob, plunger, low water cut-off.....	ea.	1
5	7R00010	Plunger, low water cut-off.....	ea.	1
*5	7R00012	Blade, contact, low water cut-off.....	ea.	2
*5	7R00014	Drum, contact, low water cut-off.....	ea.	1
5	7R00016	Block, contact, porcelain, low water cut-off.....	ea.	1
	7R00018	Cover, enamel.....	ea.	1
	7R00020	Jacket, outer, galvanized, H. D. iron.....	ea.	1
	7R00022	Boiler, cast iron, enameled.....	ea.	1
	7R00024	Hinge, cover.....	ea.	2
	7R00026	Nut, bushing. For lever.....	ea.	1
	7R00028	Handle, lever.....	ea.	1
	7R00030	Lever, elbow cover lift.....	ea.	1
	7R00032	Coupling, lever. For cover lift.....	ea.	1
	7R00034	Leg, plastic.....	ea.	4
	7R00036	Elbow, cover lift.....	ea.	1
	7R00038	Tray, instrument.....	ea.	1
	7R00040	Tray, needle.....	ea.	1
	7R00042	Hook, tray.....	ea.	2
	7R00044	Bottom, false.....	ea.	1
*5	7R00046	Element, heating, for model 214C complete: Assembly, two elements with insulating sheets and rivets.....	ea.	1
5	7R00048	Spring, rod, low water cut-off.....	ea.	1
5	7R00050	Wire, heater, asbestos covered. For internal wiring.....	set	1
5	7R00052	Knob, valve plug.....	ea.	1
	7R00054	Plug, drain-off valve.....	ea.	1
5	7R00056	Body, drain-off valve.....	ea.	1
	7R00058	Washer, rubber. For drain-off plug.....	ea.	1
	7R00060	Support, tray, right hand.....	ea.	1
	7R00062	Support, tray, left hand.....	ea.	1
	7R00064	Cover, chrome finish.....	ea.	1
	7R00066	Jacket, chrome finish.....	ea.	1

* To be requisitioned, when required, from the supply depot.

No asterisk indicates that the item is not stocked as a Spare Part, but can be obtained by special requisition.

APPENDIX VI

Model No. WPB-13

Wilmot Castle Co.

Fig. No.	Medical Dept. No.	Nomenclature	Unit	Quantity
<i>Common Parts</i>				
	SR00035	Screw, 8-32 x 5/16 inch, R. H. M., 144 to pkg.....	pkg.	
	SR00040	Screw, 6-32 x 1/4 inch, R. H. M., 144 to pkg.....	pkg.	
	SR00152	Washer, lock, screw size 8, 1,000 to pkg.....	pkg.	
	SR00153	Washer, lock, screw size 6, 1,000 to pkg.....	pkg.	
	SR00185	Nut, 8-32, hex, brass, 144 to pkg.....	pkg.	
	SR00304	Washer, screw size 8, 1 lb. pkg., 1,300 washers.....	pkg.	
	SR00312	Cord, No. 16, two conductor, moisture resistant, asbestos packed.....	ft.	10
	SR00330	Nut, 10-32, hex, 144 to pkg.....	pkg.	
	SR00368	Screw, 10-32 x 7/8 inch, R. H. M., brass, 144 to pkg.....	pkg.	
	SR00396	Nut, cap, 5/16 x 18, hex, 100 to pkg.....	pkg.	
	SR00404	Washer, screw size 5/16, 5 lb. pkg., 450 washers.....	pkg.	
	SR00424	Plug, male, two prong, rubber covered.....	ea.	1
	SR00611	Screw, 6-32 x 3/8 inch, fill. H. M., 144 to pkg.....	pkg.	
*6	SR00694	Switch, 3 heat Arrow No. 9622 or Bryant No. 6269.....	ea.	1
	SR00697	Screw, 1/4-20 x 3/8, O. H. M., 144 to pkg.....	pkg.	
<i>Uncommon Parts</i>				
	7R00402	Handle, lever.....	ea.	1
	7R00404	Lever, elbow cover lift.....	ea.	1
	7R00406	Coupling, lever. For cover lift.....	ea.	1
	7R00408	Cover, chrome, complete with hinges.....	ea.	1
6	7R00410	Boiler, cast.....	ea.	1
6	7R00412	Jacket.....	ea.	1
	7R00414	Leg, plastic.....	ea.	4
	7R00416	Bottom, false.....	ea.	1
6	7R00418	Spacer, brass.....	ea.	4
*6	7R00420	Thermostat.....	ea.	1
6	7R00422	Brace, angle. For switch.....	ea.	1
	7R00424	Tray, needle.....	ea.	1
	7R00426	Tray, instrument.....	ea.	1
	7R00428	Hook, tray.....	ea.	2
6	7R00430	Element, heating for model WPB-13 complete. Assembly.	ea.	1
6	7R00432	Grill. For securing elements.....	ea.	1

* To be requisitioned, when required, from the supply depot.

No asterisk indicates that the item is not stocked as a Spare Part, but can be obtained by special requisition.

APPENDIX VII

Model No. C-413
Wilmot Castle Co.

Fig. No.	Medical Dept. No.	Nomenclature	Unit	Quantity
<i>Common Parts</i>				
	SR00035	Screw, 8-32 x 5/16 inch, R. H. M., brass, 144 to pkg.	pkg.	
	SR00040	Screw, 6-32 x 1/4 inch, R. H. M., 144 to pkg.	pkg.	
	SR00152	Washer, lock, screw size 8, 1,000 to pkg.	pkg.	
	SR00153	Washer, lock, screw size 6, 1,000 to pkg.	pkg.	
	SR00185	Nut, 8 x 32, hex, brass, 144 to pkg.	pkg.	
	SR00304	Washer, screw size 8, 1 lb. pkg., 1,300 washers.	pkg.	
	SR00312	Cord, No. 16, two conductor, moisture resistant, asbestos packed.	ft.	10
	SR00330	Nut, 10 x 32, hex, 144 to pkg.	pkg.	
	SR00368	Screw, 10-32 x 7/8 inch, R. H. M. brass, 144 to pkg.	pkg.	
	SR00396	Nut, cap, 5/16 x 18, hex, 100 to pkg.	pkg.	
	SR00404	Washer, screw size 5/16, 5 lb. pkg., 450 washers.	pkg.	
	SR00424	Plug, male, two prong, rubber covered.	ea.	1
	SR00611	Screw, 6-32 x 3/8 inch, fill. H. M., 144 to pkg.	pkg.	
	SR00697	Screw, 1/4-20 x 3/8 inch, O. H. M., 144 to pkg.	pkg.	
<i>Uncommon Parts</i>				
	7R00402	Handle lever.	ea.	1
	7R00404	Lever, elbow cover lift.	ea.	1
	7R00406	Coupling, lever. For cover lift.	ea.	1
	7R00408	Cover, chrome, complete with hinges.	ea.	1
	7R00410	Boiler, cast.	ea.	1
	7R00412	Jacket.	ea.	1
	7R00414	Leg, plastic.	ea.	4
	7R00416	Bottom, false.	ea.	1
	7R00418	Spacer, brass.	ea.	4
*	7R00420	Thermostat.	ea.	1
	7R00424	Tray, needle.	ea.	1
	7R00426	Tray, instrument.	ea.	1
	7R00428	Hook, tray.	ea.	2
	7R00432	Grill. For securing element.	ea.	1
	7R00434	Plug, drain-off valve.	ea.	1
	7R00436	Knob, valve plug.	ea.	1
	7R00438	Body, drain-off valve.	ea.	1
	7R00440	Lift, tray, complete. Assembly.	ea.	1
	7R00442	Cut-out, low water, complete. Assembly.	ea.	1
*	7R00444	Element, heating for model C-413 complete. Assembly with 2 blades mounted on pressure plate.	ea.	1

* To be requisitioned, when required, from the supply depot.

No asterisk indicates that the item is not stocked as a Spare Part, but can be obtained by special requisition.

